Dental-Information

Sirona Dental Systems – Fabrikstraße 31 – D-64625 Bensheim

September 2008

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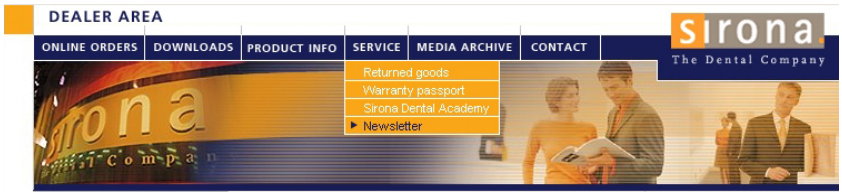
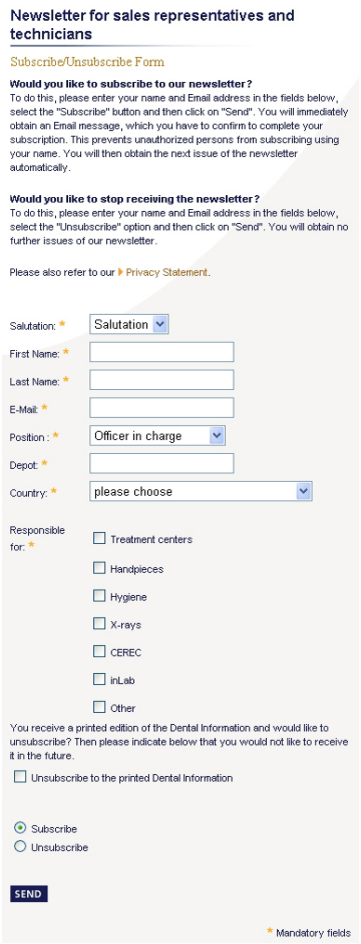
Reminder: information for sales representatives and technicians is available in a newsletter format

Dear Business Partner,

We would like to take this opportunity to tell you about our convenient newsletter option. Our "Newsletter for sales representatives and technicians" is a quick and easy way to obtain the latest news about the latest Sirona products. By creating this newsletter, we have responded to a frequently voiced wish. To benefit from this modern communication medium, you will need to register in advance. Simply go to the Sirona website (www.sirona.com), click Dealer login -> Service -> Newsletter and then register




Newsletter for sales representatives and technicians
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Treatment centers
Handpieces
Hygiene
X-rays
CEREC
inLab
Other
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After you have registered, you will receive an e-mail requesting you to confirm your details. This completes the registration process. You will then automatically receive an electronic version of each newsletter immediately after publication.
The printed versions of "Information for sales representatives and service technicians" will continue to be available. However, in the medium term, we are aiming to arrive at "paperless communication".
If you want to dispense with the printed version, you can un-subscribe during the registration process. For this purpose, we require the identification number shown in the top right-hand corner of your address label (begins with I or E).
If you receive your printed version via an in-house mail distribution system, please inform the relevant department so that the number of copies can be adjusted accordingly.

We look forward to receiving your registration under www.sirona.com → Dealer login →Service → Newsletter

Kind regards,
The Sirona Internet Team

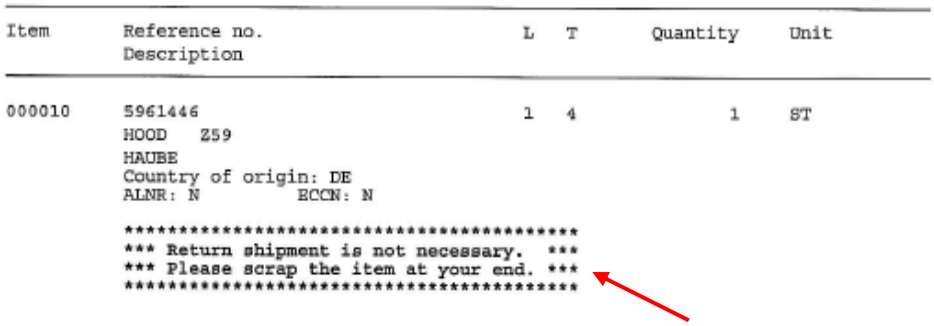
Sirona Customer Service Centre: improved procedures for the advance delivery of replacement parts and the return of defective goods

We have made further improvements to our returned goods processes.

With immediate effect, certain parts do not have to be sent back to Sirona if we have already supplied replacement parts in advance under warranty. In these cases, the warranty claim is acknowledged when the order is confirmed.

If parts do not have to be returned, the delivery note contains specific instructions to this effect (see illustration). In this case, you will not receive a return shipment form together with the delivered part.

Example:



Item	Reference no. Description	L	T	Quantity	Unit
000010	5961446 HOOD Z59 HAUBE Country of origin: DE ALNR: N ECCN: N ********** *** Return shipment is not necessary. *** *** Please scrap the item at your end. *** **********	1	4	1	ST

If you have any questions, do not hesitate to contact the person(s) responsible in our Order Services and Returned Goods teams.

Please pass on this information to the relevant departments in your company so that they can take advantage of these improved procedures.

SEMINAR AND TRAINING DATES

In response to your suggestions and ideas we have decided to revise our **Training Program for 2009**. It will now be based on the calendar year. The training courses offered by the Dental Academy in the transitional period (i.e. between October and December 2008) are shown in the following table. Further information is available on the Sirona website.

Training for dental sales representatives

Basic training	**October 2008**	**November 2008**	**December 2008**
Treatment centres (1.5 days)	20 – 21		
Handpieces, special applications and hygiene systems (2 days)	21 – 22		
X-ray systems (1.5 days)	23 – 24		

Advanced training	**October 2008**	**November 2008**	**December 2008**
Treatment centres (1.5 days)			08 – 09
Handpieces, special applications and hygiene systems (1.5 days)			09 – 10
X-ray systems (2 days)			11 – 12

Special training	**October 2008**	**November 2008**	**December 2008**
TENEO – the focal point of your dental practice (2 days)		13 – 14	
Special training for certification of sales representatives: GALILEOS 3D X-ray systems (3 days)			01 – 03
GALILEOS update training Presentation of GALILEOS Compact and GAILILEOS Comfort updates (1.5 days)			09 – 10

Training for technicians

Special training	October 2008	November 2008	December 2008
TENEO – the focal point of your dental practice (2 days)		13 – 14	
Special training for certification of sales representatives: GALILEOS 3D X-ray systems (3 days)			01 – 04
GALILEOS update training Presentation of GALILEOS Compact and GAILILEOS Comfort updates (1.5 days)			09 – 10

TENEO: simplicity redefined

TENEO – the brand new Sirona treatment centre – breaks new ground in terms of:

- Ease of use
- Innovative comfort
- Sophisticated design

Product features and benefits

TENEO embodies the following five innovations:

1. Ease of use redefined

- EasyTouch user interface: simple and intuitive operation.
- Wireless foot control: optimum flexibility without cable clutter.
- HUGO stool: intuitive and dynamic seating.
- Patient communication: comprehensive array of functions available via EasyTouch.

2. Patient comfort redefined

- Chair elevation system: easy access and new ergonomic motion options.
- OrthoMotion: comfortable positioning for patients with restricted mobility.
- New motor-driven headrest: the ideal solution for positioning the patient's head.
- Special "thermo" upholstery, massage function and active lumbar support: feel-good factor for patients.

3. Individuality redefined

- Four different packages: can be freely combined.
- EasyTouch user interface: adapts to treatment workflows.
- Integrated endodontic and implantology functions: no need for separate tabletop units.

4. Design redefined
- Dynamic, simplistic chair design with new lift system: unique, sophisticated, aesthetic.
- High-class workmanship and materials: quality made in Germany.
- Upholstery and paintwork colours: noble, deep shades and flowing forms.

5. Reliability redefined
- PC functions can be accessed directly via EasyTouch and USB port: equipped for the future.
- Remote diagnosis: rapid and efficient service.
- Maintenance-friendly design: short service times thanks to excellent accessibility.

At the same time, TENEO retains several proven features – for example, the motor-driven parallel track, the foot control and the simple push-button adjustment of the motor speed. TENEO fulfils all the criteria of a modern dental treatment centre and allows customers to retain their accustomed working practices.

Information and training for dealers
Since the beginning of August, Sirona has been staging an innovation and intensive training program for sales representatives and service technicians in order to accompany the product launch of TENEO. The attendees at these two-day events can acquaint themselves with the functions and benefits of TENEO. They also receive valuable tips for product demonstrations and handovers to the customer. Each attendee also receives a folder containing detailed information for future reference.

Sales promotion and information material
The following documents are available via the usual channels:

- Product brochure "TENEO. Simplicity redefined", order no. A91100- M41-B132-1-7600
- TENEO colour samples, order no. A91100-M41-B126
- TENEO poster, order no. A91100-M41-B129-1-7600
- Brief operating instructions, REF. 61 93 416 (order portal for technical documents)
- TENEO product configurator
- Colour configurator on the Internet
- TENEO coffee cups, available in our promotional item shop for EUR 4.40 each

Via the Sirona dealer login (Downloads → CAAD files), you can download data in DWG and DXF formats for practice planning purposes, e.g. with the help of AutoCAD.

Sales promotion
Sirona has published various advertisements about TENEO in the relevant specialist journals.

Ordering options and delivery dates
All order numbers and prices can be found in our supplementary TENEO price list, which was distributed to dealers in July.
TENEO consists of a basic unit which can either be custom-configured and/or combined with four different equipment packages. These packages can be added to each other and offer considerable savings in comparison with a custom configuration.

They provide the ideal basis for adapting TENEO to individual customer requirements.

Incoming orders for TENEO can already be officially confirmed. Deliveries will commence as from October.

Depending on the progress of national certification procedures, deliveries may have to be postponed in certain countries. For further information, please contact your Sirona partner.

SL special offer
At the customer's request, all units supplied with at least two SL or BL motors can be ordered in combination with a free T1 Classic handpiece or SiroPure SL handpiece. Please indicate this accordingly in your order together with the relevant order number. This special offer is also available in combination with the "Innovation" package.

Price reduction for the adapter plate
We have reduced the price of the adapter plate (REF. 62 05 965) quoted in the pocket-sized TENEO price list.

The new order details are as follows:

Designation	REF.	EUR, excl. VAT	Pr. Gr.
Adapter plate	62 04 965	790.00	79

The new HUGO stool: a new dimension in ergonomics

Parallel to TENEO, Sirona has introduced a new stool for dentists and assistants: HUGO.

Product features and benefits

- Sophisticated design ensures optimum freedom of movement and comfort
- The flexible backrest automatically straightens the spine and prevents muscle strain
- OptiMotion – the front sections of the seat cushion move independently of each other
- The high-tech "thermo" seat upholstery dissipates body heat
- Two different gas springs – for short and tall users respectively
- Foot-operated height adjustment ("Freehand" version)
- The optional foot ring compensates for height differences between users ("Manual Plus" version)

Versions

Three versions of HUGO are available. Each version is available in two different heights. This ensures that the dentist and the assistant receive a stool that is perfectly adapted to his or her ergonomic requirements.

Short and long gas springs are available at the same price:

Height of user* in cm	Seat height	Gas spring
150 – 180	405 – 540 mm	Short
170 – 205	505 – 645 mm	Long

*These figures can vary from user to user!

Product versions

HUGO Manual:	HUGO Manual Plus:	HUGO Freehand:
Manual height adjustment	Manual height adjustment; foot ring	Foot-operated height adjustment

Sales promotion and information material
The product features and benefits of HUGO receive extensive coverage during the TENEO training courses.
In addition, we have published a detailed brochure:
HUGO – The smart stool for your dental practice, order no. A91100-M41-B116-1-7600

Ordering options and delivery times
HUGO can be individually configured. The ordering options are as follows:

Designation	REF.	EUR, excl. VAT	Pr. Gr.
HUGO stool	62 28 634		01
HUGO for users in the height range 1.70 – 2.05 m	62 04 056*		
HUGO for users in the height range 1.50 – 1.80 m	62 04 064*		
HUGO Freehand with foot-operated height adjustment	62 04 072*	1,370.00	
HUGO Manual with manual height adjustment	62 04 080*	1,290.00	
HUGO Manual with manual height adjustment and foot ring	62 04 098*	1,440.00	

***** These REF. numbers are for ordering purposes only. They do not appear in the order documents or delivery documents.

The following upholstery colours are available:

Colours which match TENEO	Colours which match the M1$^+$, C$^+$ and ProFeel$^+$ treatment centres
Pacific	White
Aubergine	Smoky blue
Marble	Planet blue
Carbon	Deep-sea blue
Cotto	Lime green
Amber	Mint green
Ginger	Ginkgo green
Chestnut	Sand
Spring	Sahara yellow
Melon	Mango
Sunset	Terracotta
Lagoon	Garnet red
	Cocoa
	Anthracite
	Black

The dates of order confirmation and delivery commencement are the same for HUGO as for TENEO.

New booster cushion for small patients

The C seat cushion (REF. 54 46 062) has been modified:

- It is now called "Booster cushion for small patients".
- The base of the cushion has been modified so that it can be used for TENEO as well as for the C, C^+ and $M1^+$ treatment centres.
- The visible surface of the cushion is dark blue. The surface that is in contact with the chair is light blue.

The cover consists of a 100% cotton fabric with a Teflon coating. It can be wiped clean with lukewarm soapy water. Stain removers should not be used.
These modifications will take effect as from the middle of September. The price and REF. number remain unchanged:

Designation	REF.	EUR, excl. VAT	Pr. Gr.
Booster cushion for small patients	54 46 062	178.00	01

Articulated headrest: reinforced cable control

Within the framework of our continuous product improvement efforts, we introduced a modified **guide (REF. 58 54 372)** for the articulated headrest with effect from the 17th calendar week of 2008. The new guide features a spacer cam (see Fig. 1) to ensure the smooth passage of the cable. Our spare parts inventory has been adjusted accordingly. The REF. number remains unchanged.

In addition, we have modified the **cable control (REF. 61 43 775)**. The modified version has a larger diameter. In contrast to the previous version (which had a smooth surface and a plastic sleeve), the new version has a ribbed surface and lacks a plastic sleeve. Please delete the old REF. 94 33 251 from your spare parts list.

When replacing the cable control, it is advisable to replace the guide at the same time.

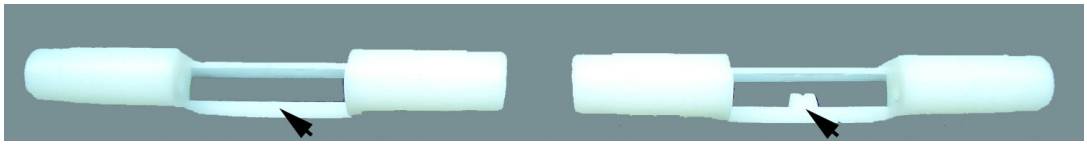


Fig. 1: Previous version of the guide **New version of the guide (with spacer cam)**

C/C^+/$M1^+$ water unit: additional O-ring prevents corrosion on the underside of the cuspidor

In isolated cases, corrosion can occur on the underside of the cuspidor bowl. Since 11 June 2008, we have fitted an additional O-ring to the adjustment bush (REF. 14 44 756) in order to provide additional moisture protection. Our spare parts inventory has been modified accordingly. The new **O-ring** (**REF. 60 38 801)** costs **EUR 0.48 excl. VAT**.

Handpiece hose leakages: the hose is not always the cause

An increasing number of hoses are returned to us which are claimed to be "leaky". On close examination, however, these hoses have proved to be in perfect working order. In the case of drips/leaks, please investigate other possible causes (e.g. leakages from the connection flange, the automatic valve or the valve subassembly).

Sirona M1: discontinuation of spare parts

We have withdrawn the following parts with immediate effect, as they have been discontinued by our suppliers:

Cover for unit support arm, back, REF. 58 94 688
(M1 up to and including M1, Mod. 90)
Cover for unit support arm, front, REF. 58 94 696
(M1 up to and including M1, Mod. 90)
Cover for unit support arm, back, REF. 33 17 596
(M1, Mod. 94 and Mod. 96)
Cover for unit support arm, front, REF. 33 17 604
(M1, Mod. 94 and Mod. 96)

HANDPIECES

SIROEndo Pocket: first software update extends the file library

We have extended the file library to include the new "Bio-RaCe" file system manufactured by FKG-Dentaire. As from serial number (SN) 2239, all SIROEndo Pocket units will be equipped with the software version 1.21.

The programmed settings for the Bio-RaCe files correspond to the manufacturer's specifications.

The SIROEndo Pocket software update stick with the latest software version is available under the following order number:

Designation	REF.	EUR, excl. VAT	Pr. Gr.
SIROEndo Pocket software update stick	61 96 682	70.00	94

Scientific opinion: use of ultrasonic scalers on patients who have been fitted with cardiac pacemakers

On the basis of the scientific opinion

"Die zahnärztliche Behandlung von Patienten mit Herzschrittmachern", published by the German Society of Dental, Oral and Craniomandibular Sciences (DGZMK), Version 1.0, 1996,

it can be assumed that the treatment of pacemaker patients with the help of ultrasound dental scalers does not have any negative consequences, provided that the treatment personnel adopt a normal and balanced approach and display critical vigilance.

Since the DGZMK published its expert opinion in 1996, the limits for electromagnetic emissions from ultrasound scalers have not been reduced. The DGZMK document therefore retains its validity.

On the basis of long-term market observations, not a single case has been reported in which an ultrasound scaler has compromised the proper functioning of a cardiac pacemaker.

– A translation of the original DGZMK document can be found in the following four pages –

SCIENTIFIC OPINION

German Society of Dental, Oral and Craniomandibular Sciences (DGZMK)

The dental treatment of patients with cardiac pacemakers

The implantation of pacemakers has become a standard cardiological practice for the treatment of arrhythmia. According to the scientific literature, approx. 200,000 pacemaker users were resident in Germany in 1994. It is logical that dentists are frequently confronted with such patients.

Articles in the popular press and scientific publications about incidents affecting pacemaker users have caused some concern. This raises the following question: are pacemakers affected by dental treatment procedures?

Background information

In the early phase of their development, pacemakers were fixed-frequency or asynchronous devices which emitted pulses irrespective of the patient's own cardiac activity. Further development led to so-called demand pacemakers which were triggered only when the patient's pulse fell below a certain borderline frequency (usually 70 beats per minute). Cardiac activity above this borderline frequency deactivated the pacemaker.

A pacemaker cannot always distinguish between cardiac activity and external interference. In the event of external interference, stimulation may be interrupted, irrespective of the patient's current cardiac status. Higher frequency interference triggers a fixed-rate frequency in the pacemaker. In rare cases, this may lead to such severe arrhythmia that immediate electroshocks are required in order to ensure the patient's survival. The scientific literature describes cases of ventricular fibrillation in connection with high-frequency surgery procedures.

Some pacemakers automatically modify the cardiac frequency in line with differing loads. To this end, they detect the atrial frequency and synchronize the ventricle frequency accordingly. Here as well, it is possible to provoke tachycardia by means of external interference.

Meanwhile, devices are routinely implanted which are capable of emitting electroshocks in the case of dangerous arrhythmia. These implantable cardioverter defibrillators (ICDs) are likewise not completely immune to external interference. In potential interference situations, they must be deactivated (as a rule by applying a magnet) and the patient closely monitored. Otherwise, there is a risk that the patient will receive inadequate electroshocks.

As a rule, modern cardiac pacemakers are implanted beneath the clavicle, either subcutaneously or in the subpectoral muscle.

Which approach is recommended?

1. Before performing certain dental procedures it is essential to enquire in advance whether the patient is wearing a pacemaker. (The same due diligence applies in the case of allergies, haemorrhage risks, etc.). As a rule, pacemaker users will provide such information of their own accord. Such patients are in possession of a special pass containing details of the pacemaker model, function, frequency, electrode type, etc.

2. As a general rule, the electro-medical devices used in dental practices can cause interference:

   a) Brush-type electric motors generate magnetic and electric fields which can influence cardiac pacemakers under certain circumstances. The proximity of the motor to the pacemaker plays an important role in this respect. Conventional drive units for drills, etc. do not exert any influence.

   b) Electro-surgery procedures can also influence cardiac pacemakers. These influences depend on the frequency spectrum and on the extent to which the pacemaker electrodes are located within the interference field/within the treatment site. In extreme cases, ventricular fibrillation can be provoked, coupled with the permanent failure of the pacemaker. For this reason, the patient should be continuously monitored and a defibrillator should be kept available for immediate use. Electro-surgery procedures can cause interference within a radius of two metres (intervening walls do not provide any protection). This can lead to an irregular pulse and even to ventricular fibrillation. In such cases, pacemaker patients should be admitted to hospital before undergoing electro-surgery.

   c) Dental vitality tests with the aid of electrical devices present no problems. To the extent that interference occurs, it is short-lived and of only minimal intensity.

   d) According to the scientific literature, AC-based electro-acupuncture can have an influence on cardiac pacemakers. Here as well, the topographical proximity is important, as well as the extent to which the pacemaker electrodes are located within the interference field.

3. Ultrasonic devices do not play a role in this connection!

Recommendations for the dentist

1. Precise analysis of the patient's medical history (the primary means of detecting possible risks).

2. Monitoring of the patient's heartbeat.

3. Treatment should be discontinued at the slightest sign of interference. The referral of the patient to a hospital or clinic should be considered in consultation with the patient's internal medicine specialist/cardiologist.

4. The automatic referral of the patient to a clinic is not advisable. Firstly, insufficient capacities are available. Secondly, patients would have the feeling that they are at great risk – which is not the case. Only in cases of real concern should the patient be referred to a hospital. The planned procedure should be discussed with the clinic which originally fitted the implantable cardioverter defibrillator (ICD).

5. When performing high-frequency surgery and high-frequency diathermy the patient's heart should be continuously monitored. A defibrillator should be available for immediate use. After the operation has been completed, the pacemaker should be tested for any possible damage.

Summary

From the viewpoint of dental practices, pacemaker users should not be regarded as "problem patients". When talking to patients (especially older patients) about their medical histories, the dentist should mention possible circulatory disorders. This normally elicits information about the existence of a pacemaker or an implantable cardioverter defibrillator (ICD).

Subject to the condition that the patient's pulse is continuously monitored (either manually or automatically), any properly functioning electro-medical device can be applied to dental patients (with the exception of electro-surgery devices). If these conditions are not fulfilled, the patient should be referred to a hospital or clinic. During electro-surgical procedures, the patient's heart should be continuously monitored. A defibrillator should be available for immediate use. After the operation has been completed, the pacemaker should be tested for any possible damage.

If there are grounds for suspecting electromagnetic interference with the pacemaker, treatment should be discontinued. Advice should be sought from the patient's cardiologist or internal medicine specialist. If necessary, the patient should be referred to a suitably equipped hospital which caters for the special needs of pacemaker patients. Before treating ICD patients, the dentist should contact the hospital which performed the original implant. Such prior consultation reduces the risk of complications.

Electro-medical devices in dental practices can have an influence on pacemaker patients. However, such cases are rare. Such patients require the well-balanced and critical vigilance of the dentist.

E. Machtgins, Bochum, *B. Lemke*, Bochum, *W. Irnich*, Gießen

Discontinuation of PerioScan BASIC

Following the successful introduction of the full version of PerioScan in September 2007, there has been a pronounced trend towards the fully featured version, which combines calculus detection and removal in a single ultrasonic handpiece. For this reason, we have decided to discontinue the **PerioScan BASIC** (**REF. 60 45 699**).

PerioScan: SIROSONIC/L in combination with the PerioScan BASIC handpiece hose

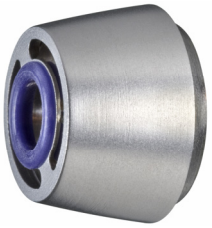
We would like to remind you once again that – for certification reasons – our SIROSONIC/L handpiece and the PerioScan BASIC handpiece hose must not be combined with the PerioScan handpiece.

PerioScan: permanent water connection

We would like to inform you that – with immediate effect – the PerioScan permanent water connection now includes two quick couplings: one for the handpiece and one for the supply unit respectively.

PerioSonic: new sealing ring

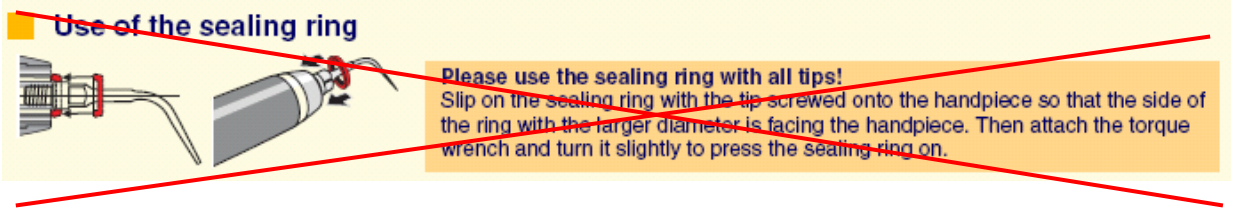
In June 2008, we introduced a new sealing ring for the PerioSonic handpiece. This sealing ring is now included with each new handpiece.
To ensure the simple and safe operation of the PerioSonic handpiece by PerioScan users, we have developed and successfully tested a new sealing ring (shown in the following illustration).



As shown in the illustration, the sealing has been integrated into the screw-on cap of the PerioSonic handpiece. Regardless of which tip is deployed, the seal prevents water from entering the handpiece.

IMPORTANT NOTE:
So far the detection tips have featured a groove for the easy insertion of the red sealing rings. These tips **must not** be used in combination with the new sealing rings. We have decided to retrofit existing PerioScan handpieces.
PerioScan customers automatically receive the new seal together with two non-grooved detection tips.

Why has the sealing ring been modified?
So far PerioScan users have had to ensure that the red sealing ring was always fitted, thus preventing any water from entering the handpiece. Water can dampen the vibrations of the tip and hence falsify the detection results, as the software is no longer able to interpret the signals properly.


Use of the sealing ring
Please use the sealing ring with all tips!
Slip on the sealing ring with the tip screwed onto the handpiece so that the side of the ring with the larger diameter is facing the handpiece. Then attach the torque wrench and turn it slightly to press the sealing ring on.

Discontinuation of the IMPLANT 80:1 handpiece

With effect from 1 September 2008, we have discontinued the production of the **IMPLANT 80:1 handpiece (REF. 60 43 710)**.
Deliveries will continue as long as stocks last.
Repairs will still be performed by our Instrument Service Center (ISC), Fabrikstrasse 35, Bensheim.
The **IMPLANT 20:1 handpiece (REF. 60 43 702)** for implantology and surgery will remain in production.

Approval of the ALPRO and METASYS disinfectant spray for the treatment of the water and air channels

The ALPRO and METASYS products listed below have been tested and approved for Sirona's straight, contra-angle and high-speed handpieces.
To ensure the correct disinfection of the spray and media channels (and the long-term durability of the handpieces), the corresponding SIRONA adapters must be used. These are available directly from the two manufacturers.

ALPRO: WL-cid, WL-clean and WL-dry
METASYS: Green & Clean IK

ALPRO and METASYS bear responsibility for the efficacy of their disinfectant sprays.

SIROLaser service concept

IMPORTANT NOTE:

We take this opportunity to remind you that a safety test must be performed on the SIROLaser after 24 months.

Sirona offers a two-stage service and repair concept:

1. SIROLaser safety test

The SIROLaser must undergo a safety test at two-yearly intervals.

The following documents are required:

- SIROLaser operating instructions (country-specific!)
- Service manual for safety tests (REF. 61 92 947)
- Medical product logbook for SIROLaser (in the possession of the user)

The technician who performs the safety test must hold the necessary professional qualifications. In Germany, these are specified in the "Regulations for Operators of Medical Products" (MPBetreibV).

The service manual for safety tests can be ordered or downloaded from the Sirona website (dealer login).

We will be glad to perform the safety test on your behalf:

Safety test for SIROLaser, REF. 61 92 939, EUR 590.00, excl. VAT

Please note: The SIROLaser plus all the relevant accessories must be sent to us in the transport case.

Services provided:

- Safety test
- Performance test
- Calibration

2. Special SIROLaser training: repair/calibration/software updates

With immediate effect, the Sirona Dental Academy offers one-day training courses for focussing on laser safety, calibration and software updates.

Further information is available in our 2007/2008 Training Program under the heading "Handpieces/table-top units"

Please note:

Training for dental service technicians

According to EN 29001 (paragraphs 4.18 and 4.1) and ISO 9001, installation, maintenance and repairs must be carried out by specially trained technicians. For this purpose, manufacturers must provide product-related training and make appropriate provisions in their quality assurance systems. As distributors of our products, you must be able to demonstrate to the public authorities that your service technicians have received appropriate product-related training. Certificates to this effect are awarded to participants who have successfully completed the training courses at the Sirona Dental Academy.

Further information is available from Ms Marianne Schmidt, Sirona Dental Services GmbH, Tel.: +49 (0) 62 51/16-25 10, e-mail: marianne.schmidt@sirona.com

DAC PROFESSIONAL

Software version 4.07

Since the beginning of August 2008, the DAC PROFESSIONAL (as from serial number 4001) has been equipped with software version 4.07. The following improvements have been made:

- A newly configured sterilization program for the faster processing of single-wrapped instruments according to Class B (see program table).

Programs available under software version 4.07

Programs		Operating time (without drying)		Drying time
		Warm start/ 0.5 kg load	Warm start/ 5 kg load	
Universal program	134°	22 min	30 min	20 min
New: Quick program B	**134°**	**20 min**	**28 min (1.5 kg single wrapped or 5 kg unwrapped)**	**10 min**
Quick program S	134°	13 min	15 min (unwrapped)	5 min
Gentle program	121°	35 min	45 min	20 min
Prion program	134°	36 min	45 min	20 min
Bowie&Dick	134°	33 min	40 min	5 min
Vacuum test		–	18 min (empty)	–

- Improved drying
  To improve drying performance and to accommodate taller loads (e.g. wrapped instruments), the capacity of the rack has been reduced to five trays.

- The tank inlet has been increased to simplify tank cleaning and replenishment.

- To protect the autoclave during transport, a new metal plate has been fitted on the rear side.

- The drain on the base of the autoclave is now equipped with two quick couplings. (One drain tube is included.)

For your information: The colour of the display has been changed from green to blue.

Unfortunately, these changes have led to delivery delays, for which we would like to apologize.

The list price of **EUR 7,090.00, excl. VAT** remains unchanged.

VALIDATOR: spare parts and repairs

As from October 2008, we can no longer guarantee the availability of spare parts for the VALIDATOR and the VALIDATOR PLUS 8“ and 10“. Repairs and spare parts will be provided as long as stocks last.
The VALIDATOR no longer fulfils the requirements of DIN EN ISO 13060 in Europe.
It goes without saying that a complete range of accessories and consumables will remain available for all our other hygiene systems.

DAC UNIVERSAL

In response to numerous requests we can now supply a service case and an adapter case equipped with all the commonly used parts (for further details, see the spare parts list).

Designation	REF.	EUR, excl. VAT	Pr. Gr.
Service case	60 83 351	1,620.00	94
Adapter case	62 15 920	950.00	94

DAC service case

DAC adapter case

DAC adapter case contains 15 adapters:

4 INTRAmatic adapters	REF. 60 51 648
4 TE / CLASSIC adapters	REF. 60 51 705
2 SIRONA turbine adapters	REF. 60 51 697
2 KaVo turbine adapters	REF. 60 51 655
2 W&H turbine adapters	REF. 60 51 671
1 Bien Air turbine adapters	REF. 60 51 713

IMAGING SYSTEMS

GALILEOS now available in two attractive versions

The GALILEOS 3D X-ray system is now available in two different versions (GALILEOS Comfort and GALILEOS Compact) which cater for a complete spectrum of diagnostic applications.

GALILEOS Compact is a cost-effective 3D X-ray system which has been specially adapted to the requirements of implantologists.
Boasting a slightly modified external design, the new GALILEOS Compact has a marginally reduced volume size and a software which has been optimized for implantology applications. As always, Sirona refuses to make any compromises in terms of image quality and diagnostic performance.
GALILEOS Compact is a dedicated 3D diagnostics solution for implantologists and embodies all the proven technology benefits of the GALILEOS platform. The new GALILEOS Compact is a safe investment in the future. Firstly, it is available at a highly attractive price. Secondly, an upgrade kit is available for converting the GALILEOS Compact into a fully featured GALILEOS Comfort system.

Both GALILEOS systems can now generate panoramic images that are comparable to conventional panoramic tomographs. This expands the range of diagnostic possibilities. Only one scan is required, thus minimizing the radiation dose.

The GALILEOS Compact was introduced in August 2008 and augments the existing GALILEOS 3D X-ray system (now known as "GALILEOS Comfort").

Please use the following REF. numbers when ordering the GALILEOS Compact:

Designation	**REF.**
GALILEOS Compact 3D X-ray system	62 17 108
GALILEOS IT package	62 17 173

GALILEOS Comfort

Additional patient positioning options

As from October 2008, the GALILEOS Comfort X-ray system will include a new head fixing system.

It consists of a clip-on forehead support and forehead frame, plus a lateral aiming device ("volume indicator"), which is clamped onto the bite segment holder. The forehead support is mechanically adjustable, both horizontally and vertically.

The new head fixing system has been designed for orthodontic and surgical applications.

The conventional bite segment and chin support will still form part of the GALILEOS Comfort package.

Application:

The patient is securely fixed in position at three points with the help of the adjustable forehead support, the forehead frame and the ear olives.

The "volume indicator" facilitates lateral aiming. With the help of the horizontally and vertically adjustable forehead support, the user can make optimum allowance for the patient's anatomy.

The benefits of the new head fixing system are as follows:

- Terminal occlusion is possible.
- The silhouette (frontal soft tissue) is displayed without any interference from the fixing elements.
- The soft tissue (chin) is not distorted.
- Can be used for toothed and toothless jaws.
- Secure and stable positioning of the patient.
- Horizontally (25 mm) and vertically (+/– 10 mm) adjustable forehead support ensures the optimum utilization of the volume, depending on the clinical application concerned.
- Rapid changeover to the conventional bite segment and forehead support.

Please note: For certification reasons, the new head fixing system is not yet available in all countries.

Upgrade kit for GALILEOS

As from October 2008, the new head fixing system will be available as an upgrade kit for all existing GALILEOS X-ray systems.

Designation	REF.	EUR, excl. VAT	Pr. Gr.
Head fixing upgrade kit	62 09 600	2,500.00	A4

Existing customers with a service contract or extended warranty (VW sales region) are entitled to purchase the upgrade kit for EUR 1,250.00. In this case, you must quote the serial number of the GALILEOS unit so that the Customer Service Centre can process the order correctly.

Please note: For certification reasons, the new head fixing system is not yet available in all countries.

Demonstration sensors for the XIOS intraoral X-ray system

Demonstration sensors are now available for presenting the XIOS intraoral X-ray system. The sensors and USB modules are made of the same materials as the originals. This means that potential customers can gain a good impression of the high-quality "look and feel" of the XIOS system.

The demonstration system can be individually combined. For demonstrations on the customer's premises, we recommend the sensors with the short cables.
For showrooms and trade fair presentations, we recommend the sensors with the original (3 m) cables.
The demonstration USB modules are equipped with a USB cable. This enables you to present the entire XIOS installation to customers.

Designation	REF.	EUR, excl. VAT	Pr. Gr.
XIOS demonstration sensor, size 1 with short cable	61 89 075	95.00	–
XIOS demonstration sensor, size 2 with short cable	61 89 083	95.00	–
XIOS demonstration sensor, size 1 with long cable	61 89 091	130.00	–
XIOS demonstration sensor, size 2 with long cable	61 89 109	130.00	–
XIOS demonstration USB module	61 89 117	100.00	–

Please note: The quoted prices for the demonstration sensors and the demonstration USB module are net prices.

We recommend that you demonstrate the XIOS sensors and the USB module in combination with the new XIOS sensor holder system. In our experience, the correct

application of the sensor holders (parallel imaging technique) has a decisive impact on image quality and the overall success of the intraoral system.

Awards for SIDEXIS XG

The SIDEXIS XG X-ray software has won the "INDUSTRIEPREIS 2008".
This prize is awarded to interesting and innovative products which deliver perceptible benefits for the relevant user groups.

SIDEXIS XG has also won the "INNOVATIONSPREIS 2008". Sirona faced stiff competition: a record number of products (1,600) had been submitted. This annual prize is awarded to innovative products and solutions targeted at small and medium-sized enterprises.

SIDICOM WLS, SIDICOM QR: new prices

We are pleased to offer you significant price reductions for SIDICOM WLS and SIDICOM QR, since 1 July 2008.
We have corrected the product group number for "DICOM installation & service support/daily rate Europe".

The new prices are as follows:

Designation	REF.	EUR, excl. VAT as from July 2008	Pr. Gr.
SIDICOM WLS full version	62 01 136	5,400.00	57
SIDICOM QR full version	60 32 812	1,900.00	57
DICOM installation & service support/daily rate Europe	60 83 146	1,500.00	–

Please note: The daily rate for DICOM installations & service support is the net price.

Modified product structure for SIDEXIS XG & Windows® VISTA

At the beginning of September 2008, we modified the product structure for SIDEXIS XG. In addition to the existing update, we now offer an upgrade for older SIDEXIS versions (lower than V 2.0) and for users who have switched to Windows® Vista.

The update with the order REF. 59 64 007 is no longer available.

These changes will also affect the SIDEXIS XG registration numbers. In future, these numbers will be specific to the SIDEXIS XG version. The new structure is as follows:

Designation	REF.	EUR, excl. VAT	Pr. Gr.
SIDEXIS XG upgrade Upgrade of SIDEXIS Classic or SIDEXIS XG (lower than V 2.0) to the current SIDEXIS XG version **This product requires an existing SIDEXIS licence.** When placing orders, you must quote the existing SIDEXIS licence number. This number can be found in the SIDEXIS "program info" dialogue.	62 20 755	995.00	57
SIDEXIS XG update Update of a SIDEXIS XG licence (V 2.0 or higher) to the current version. **This requires an existing SIDEXIS XG installation on the PC which is to be updated.** When placing orders, you must quote the existing SIDEXIS licence number. This number can be found in the SIDEXIS "program info" dialogue.	62 29 202	795.00	57

CAD/CAM SYSTEMS

New: CEREC Optispray

Sirona has launched a new product – CEREC Optispray – to assist CEREC users with the preparation of optical impressions. It is quick and easy to apply – without any compromises in terms of precision and image quality. Users will also welcome the fact that Optispray is very easy to remove. The product has been developed with specific reference to the CEREC camera. We will ensure that future software upgrades will take account of CEREC Optispray. Compared with other coating products, CEREC Optispray can be applied in an extremely thin layer. This means that you may have to increase the adhesive gap setting slightly in order to achieve the desired fit.

CEREC Optispray comes in a 50 ml spray can and includes two special nozzles which ensure a homogenous and thin coating. Such a thin coating is a precondition for acquiring fine details (in particular along the edges of the preparation) and for achieving a good final fit for the restoration. Thanks to the blue colour, the user can tell at a glance whether the preparation site has been completely covered.

CEREC Optispray is ready for use immediately. The tube can be turned or bent in any direction, thus providing easy access to the upper and lower jaws. Thanks to the CEREC Optispray's fresh mint taste, the patient does not have the feeling that he or she is being "medicated".

In contrast to other alternative products, CEREC Optispray does not consist of various different components that have to be assembled prior to use. In particular, the dentist does not have to invest in separate powdering devices.

CEREC Optispray is available immediately:

Designation	REF.	EUR, excl. VAT	Pr. Gr.	Note
CEREC Optispray 50 ml can, incl. 2 special nozzles	61 44 179	45.00	29	Shelf life: 2 years; hazardous product (increased air-freight charges)
Special nozzles for Optispray, 25 pcs.	62 03 819	25.00	29	

Long burs now supplied together with chucks

With immediate effect, each Step Bur 20 pack and Cylinder Pointed Bur 20 pack will include one replacement chuck. The price of the pack remains the same. The enclosed information leaflet recommends that the chuck should be replaced when the first bur in the pack is inserted. At the same time, the conical mount of the spindle motor should be cleaned. In addition, the thread of the new chuck should be lightly greased (see **Instructions for cleaning set**, **REF. 61 77 161**)

Milling units: cleaning and care instructions

Via our dealer login, you can order cleaning and care instructions (printed on laminated sheets) for all our milling machine models. With immediate effect, these instructions are now included in the CEREC MC XL and inLab MC XL product folders.

Designation	REF.
Cleaning and care plan for CEREC MC XL / inLab MC XL - DE	62 24 997
Cleaning and care plan for CEREC MC XL / inLab MC XL - EN	62 25 002
Cleaning and care plan for CEREC MC XL / inLab MC XL - FR	62 25 010
Cleaning and care plan for CEREC MC XL / inLab MC XL - ES	62 25 028
Cleaning and care plan for CEREC MC XL / inLab MC XL - IT	62 25 036
Cleaning and care plan for CEREC MC XL / inLab MC XL - JP	62 25 069
Cleaning and care plan for CEREC MC XL / inLab MC XL - RU	62 25 051
Cleaning and care plan for CEREC 3 / inLab – DE	62 27 289
Cleaning and care plan for CEREC 3 / inLab – EN	62 27 297
Cleaning and care plan for CEREC 3 / inLab – FR	62 27 305
Cleaning and care plan for CEREC 3 / inLab – ES	62 27 313
Cleaning and care plan for CEREC 3 / inLab – RU	62 27 339

Cooperation between Dental Systems GmbH and CAMLOG Biotechnologies AG

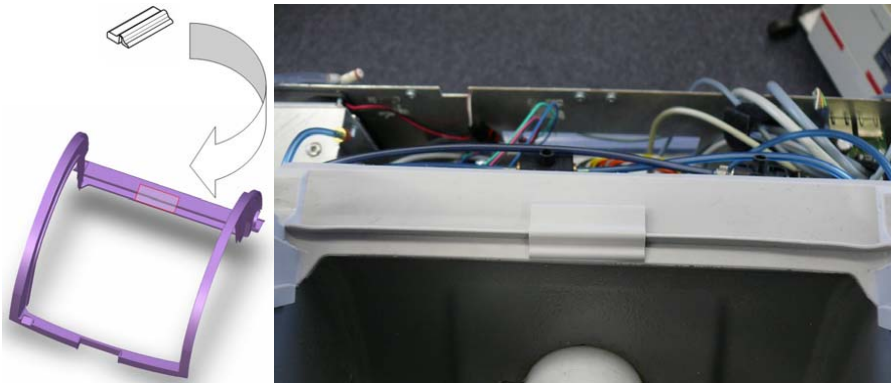
Sirona Dental Systems GmbH has teamed up with CAMLOG Biotechnologies AG to create customized CAD/CAM mesostructures for CAMLOG implants using the inLab MC XL milling machine. For this purpose, Sirona will supply special zirconium oxide blocks and scan bodies via dental equipment dealers.

An initial case study was unveiled at the "CAMLOG Implant Festival" in Basel on 9 and 10 May.

The product launch is planned for the coming autumn. We will inform you in good time about the product, order number, list prices, dates, etc.

CEREC MC XL door stop

We have introduced a special repair set for the door stop. It consists of a tube of silicone adhesive, 10 silicone door stops, plus installation instructions.



Designation	REF.	EUR, excl. VAT	Pr. Gr.
Retrofit kit for door stopper 10 pcs	62 27 727	75.00	29

These parts can be ordered under warranty or under our goodwill arrangements.

Anti-interference kit for the water pump

Display malfunctions do not automatically mean that the display itself is defective. In some cases, display malfunctions in the CEREC MC XL and inLab MC XL milling units are caused by the water pump. To solve this problem, we have developed a special anti-interference kit consisting of a ferrite-shielded extension cable for the water pump, a cable tie and installation instructions.

Designation	REF.	EUR, excl. VAT	Pr. Gr.
Anti-interference kit for the water pump	62 25 838	19.00	29

These parts can be ordered under warranty or under our goodwill arrangements. Available as from September.

Extraction tool for broken chucks

We can now supply a special tool for removing broken chucks from the spindle motor.

Designation	REF.	EUR, excl. VAT	Pr. Gr.
Extraction tool	62 29 640	35.00	29

For further information, please contact our Customer Service Centre

Telephone:
49 (0)62 51/16-16 16

E-mail or fax:

Product services
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Order services
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